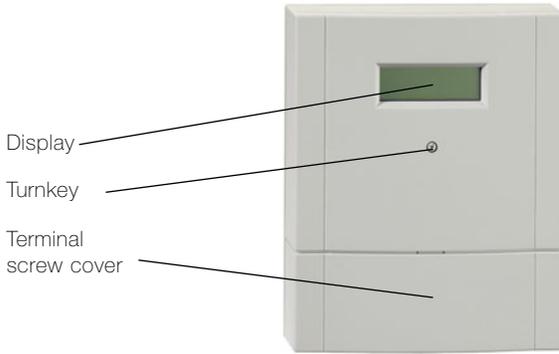


# GIRA



**TeleCoppler 2**  
Operating Instructions

## Overview



### Scope of Delivery

#### **TeleCoppler 2 analog**

with  
operating instructions  
quick guide to initial operation  
CD-ROM with PC software

2335 00

### Accessories (optional)

#### **Receiver set for TeleCoppler 2** 0907000

All given announcements of the TeleCoppler 2  
can be individually recorded with the handset.

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# 1 General Function

The TeleCoppler 2 is an alarming and remote switching device by which up to 6 conventional devices can be switched via telephone. All settings will be saved in case of a power failure – **except for time and date**. The behavior of the exits in case of a power failure can be set (after return of the power voltage: ON, OFF or restoring the switching state before the power failure).

Conventional relays or current-impulse switches can be connected to the switching outputs.

Furthermore, the TeleCoppler 2 is sending messages to selected participants (cf. phone numbers). These messages are activated by up to 6 contacts (sensors) which are connected to the alarm inputs (N1 to N6). At each of the inputs break or make contacts can be installed.

Should given messages – send off by the alarm inputs M1 to M6 – not be confirmed, then a local alarm exit will be switched.

The controlling will either be performed with a DTMF telephone (DTMF = Dual-tone multi-frequency) or with a DTMF pocket dialer (optional). In case of an answering machine being used at an analog connection (AB mode), either the answering machine or the TeleCoppler 2 can be addressed.

Individual user data are easy to program.

The TeleCoppler 2 is operated by turnkey. Operation is supported by plain texts on a 20 character 4 line alphanumeric LCD field and also by announcements (see page 51).

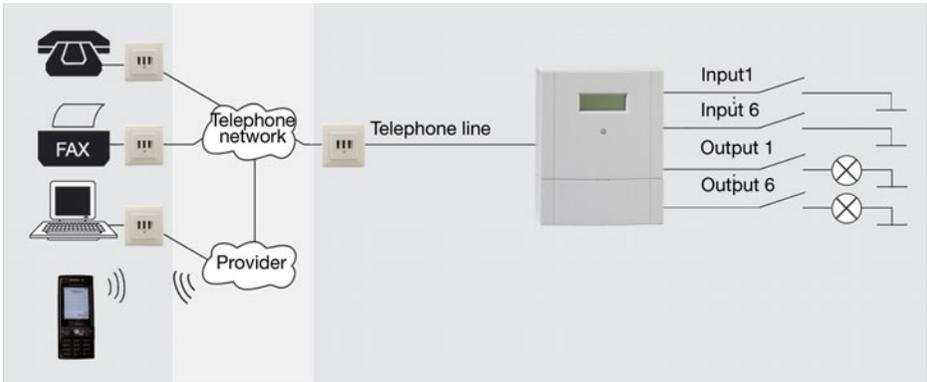
The user can choose among 6 display languages for the messages.

The respective software is enclosed in the scope of delivery and supports comfortable configuration. The PC must have a serial interface.

Messages are transferred exactly to the selected participants by announcements, SMS, e-mail, or fax. The number of dial attempts (0 to 12) can be set.

The announcements can be individually recorded by the user. In order to do this, the handset (optional) with the 4-way RJ10 connector has to be inserted in the socket (see figure on page 9). The examples shown in chapter "Function" will explain the operation.

## 2 Functional Principle with the Analog Network



The above scheme shows the use of the TeleCoppler 2 with the analog telephone network. Alarm messages are transmitted via telephone line to the telephone network and from

there, according to message type, forwarded as announcement or fax. There are only the usual phone costs with the network provider. e-mail and SMS are transmitted by a

pre-selected provider. Costs will depend on the provider's rates.

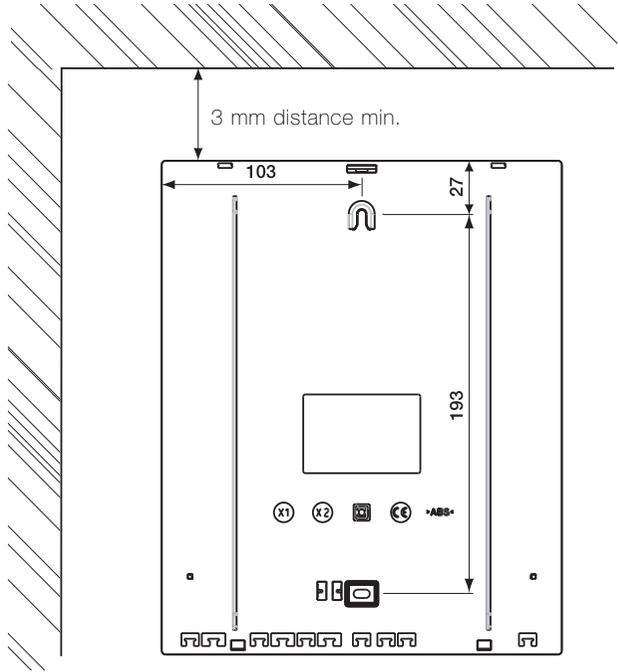
### 3 Installation

#### 3.1 Wall Mounting

The TeleCoppler 2 must be installed in dry areas with ambient temperatures between -5 °C and +45 °C. For mounting the TeleCoppler 2 analog there should be a telephone wall socket near-by.

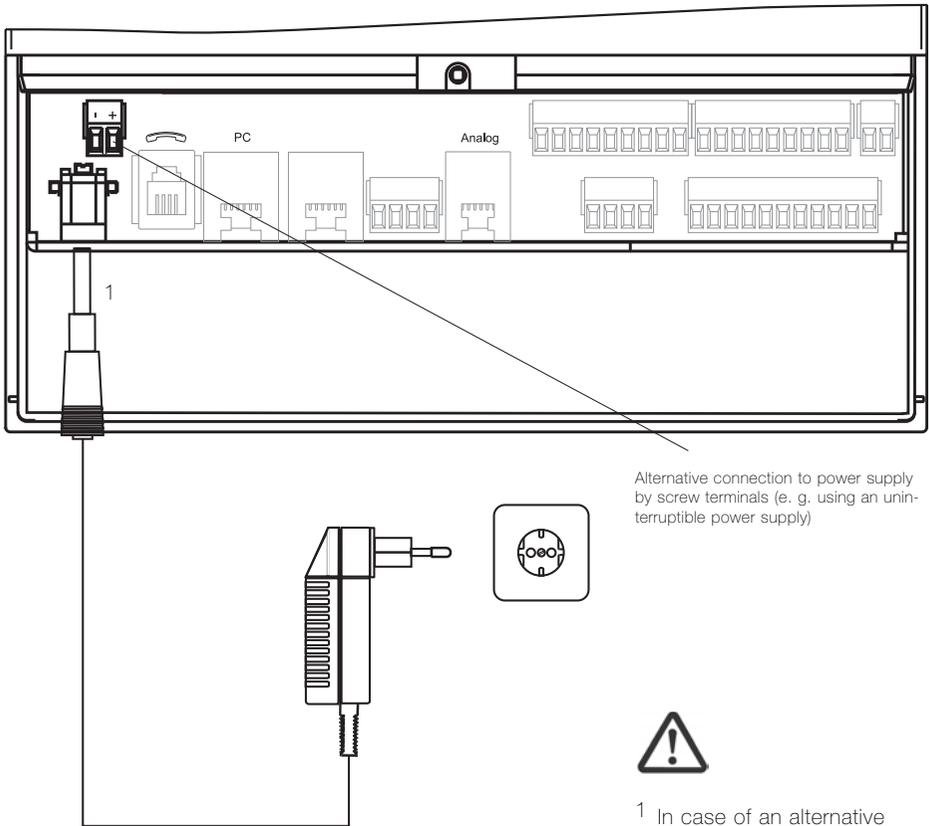
The TeleCoppler 2 will be delivered with two dowels and two screws. Easy wall mounting is, therefore, possible.

- 1 Mark the drill holes perpendicular adjusted at a distance of 193 mm.
- 2 Drill two holes (6 mm diameter) and insert the dowels.
- 3 Tighten the upper screw until its screwhead sticks out about 5 mm.
- 4 Hang the TeleCoppler 2 with the upper mounting support onto the screw.
- 5 Pull down the terminal screw cover.
- 6 Tighten the lower screw in the terminal screw area.



## 3.2 Connections

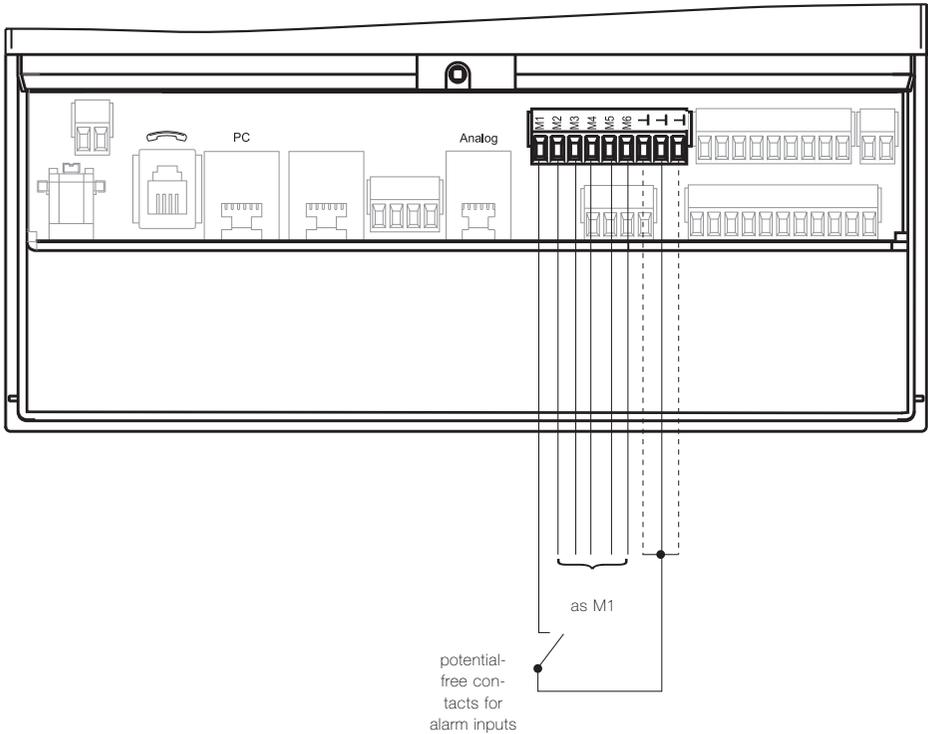
### 3.2.1 Connection of Power Supply



<sup>1</sup> In case of an alternative power supply (12 V DC) of the TeleCoppler 2 by scw terminals the plug power supply must not be inserted.

## 3.2 Connections

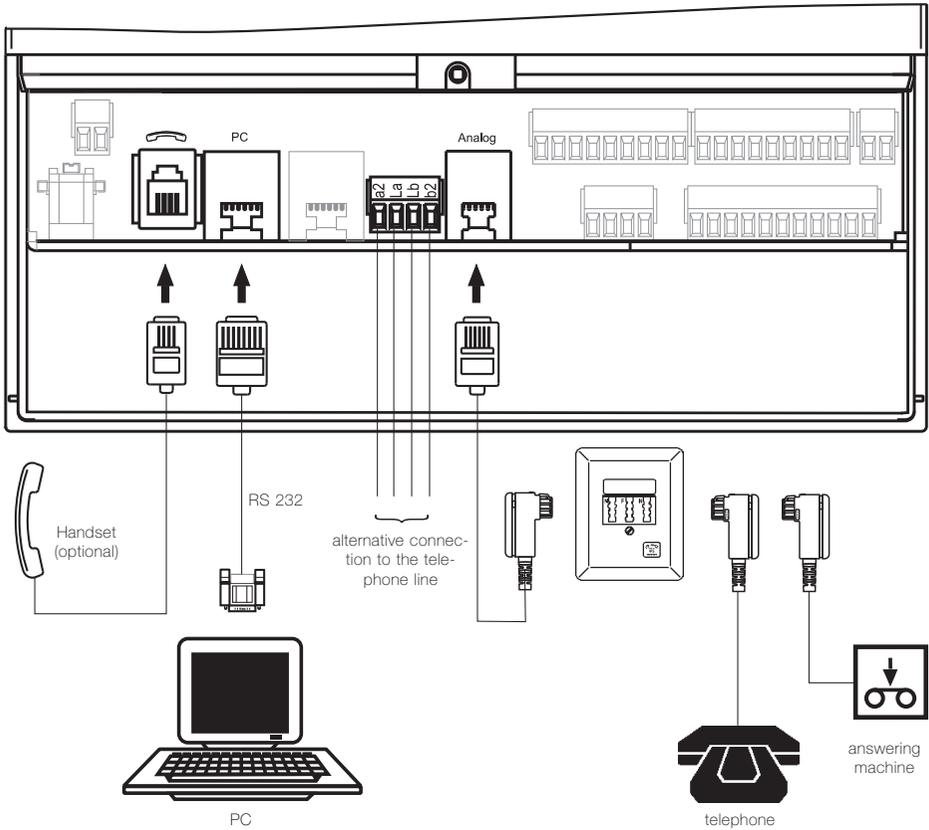
### 3.2.2 Assignment of the Inputs



Between the connecting terminals M1 and  $\downarrow$  (mass potential) the desired switching contact is being connected. The voltage of the alarm input M1 in idle mode is 3.3 V. If the input is configured as make contact, the desired action will be performed by the TeleCoplpler 2 when making the contact. If the input is configured as break contact, the desired action will be performed by the TeleCoplpler 2 when breaking the contact.

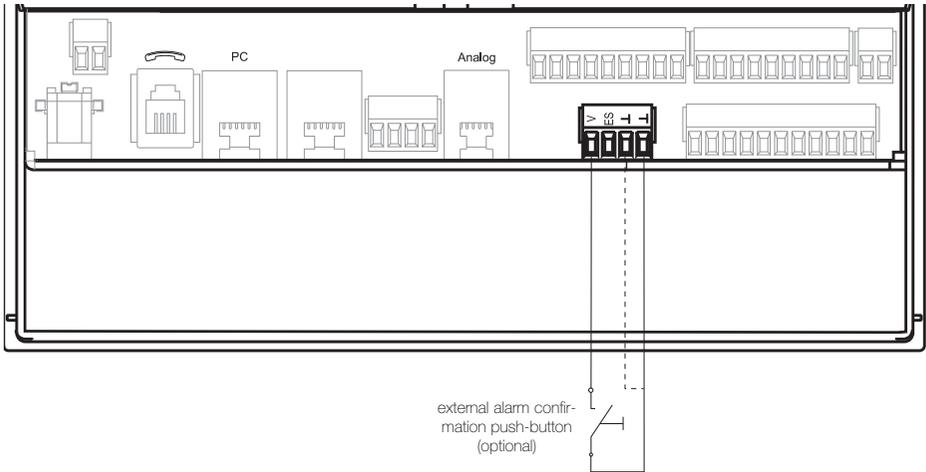
## 3.2 Connections

### 3.2.3 Connection to the Analog Network



## 3.2 Connections

### 3.2.4 Connection to External Alarm Confirmation Push-Button

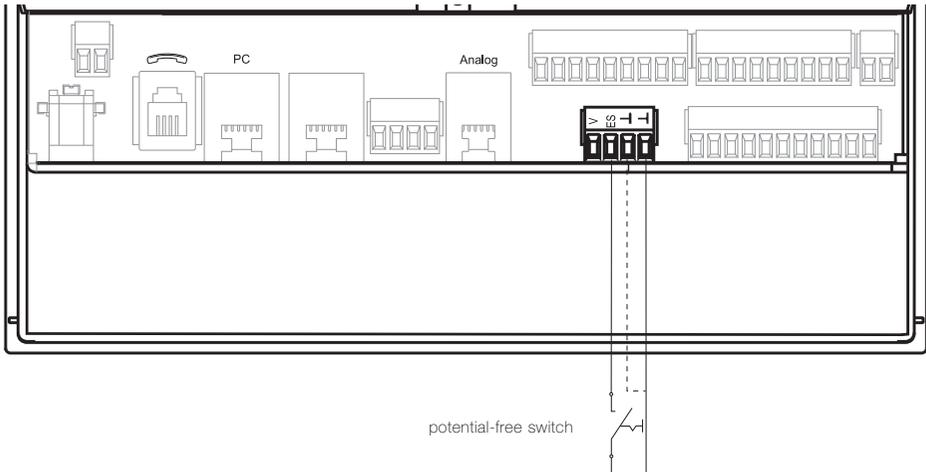


Using the external alarm confirmation push-button you can locally reset the alarm, i. e.

the alarm message can be stopped manually. By pressing the external alarm confirmation

push-button all alarms having occurred so far will be confirmed.

### 3.2.5 Transparent Switching



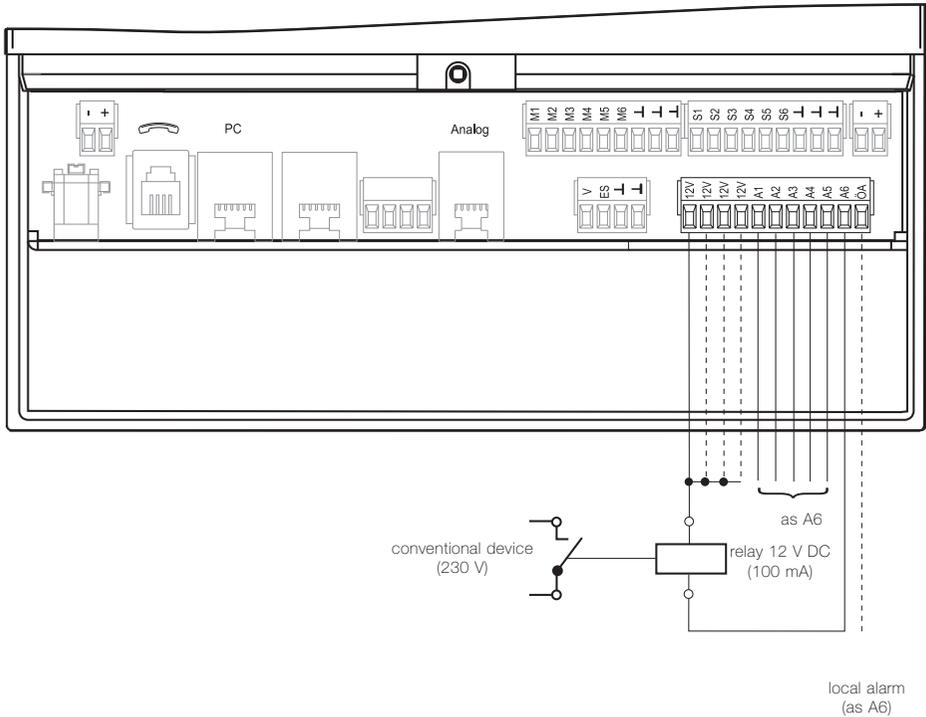
By closing an external potential-free switch the TeleCoplpler 2 is switched transparent, i. e. without function. It has neither the function of re-

mote switching nor the function of alarming. The message "Switched off" will appear on the display of the TeleCoplpler 2. The state

of the active inputs and outputs will stay on the display.

## 3.2 Connections

### 3.2.6 Switching Output Assignment



The TeleCoppler 2 provides 6 outputs with 12 V DC. Via relays 6 conventional devices and, additionally, 1 local alarm detector can be connected. Using the enclosed plug power supply (15 W; 1.25 A) these relay outputs are able each to carry 200 mA at the maximum and they are short-circuit proof. Current consumption of the control relay should not exceed 100 mA. In idle mode current consumption of the TeleCoppler 2 amounts to app. 150 mA.

The outputs consist of open-collector outputs of transistors. Between the terminal screws +12V and A1 a relay coil is switched on. When switched on, the output A1 is connected to ground. When switched off, it has an undefined potential.

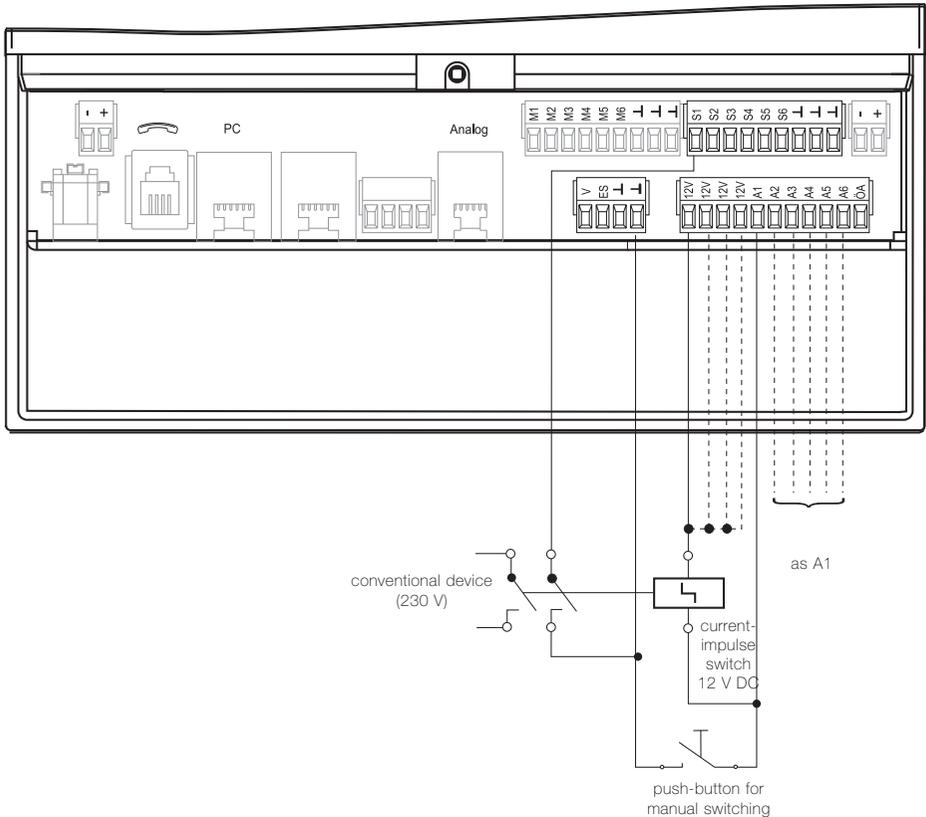


When switching the outputs, please observe that the provided plug power supply

has a maximum performance of 1.25 A.

## 3.2 Connections

### 3.2.7 Operation with Current-Impulse Switches



The TeleCoppler 2 is drafted for switching electrical devices by telephone. Each switching process by telephone is saved in the TeleCoppler 2. And on request, the announcement is made, whether the connected devices are switched on or off. For some applications the installation of an additional local switching possibility is useful or even necessary. For example, a motion detector at a vacation home can be switched on by telephone from the dis-

tance and at arrival at the home switched off by pushing the (locally) installed external alarm push-button. By appropriate settings in the menu, the switching outputs A1 to A6 are configured as current-impulse outputs. Current-impulse switches with 2 make contacts or change-over contacts should be used in order to transmit the present switching state of the current-impulse switches to the input by way of these make con-

tacts. The inputs S1 to S2 render the correct switching state of the current-impulse switches. This is important because the announcements are referring to the respective states of the inputs (S1 to S6) and not directly to the states of the switching outputs (A1 to A6).

## 3 Installation

### 3.3 Initial Operation



Before working on the installation, unplug the power supply.

Changes at the TeleCoppler 2 are only possible if done within the limits and according to the description in this manual.

The installation must be carried out professionally.

Please take into account, that the performance of the TeleCoppler 2 with PABXs can be improved, in case of a power failure, if the TeleCoppler 2 is installed before the PABX or if there is an uninterruptible power supply guaranteed.

- 1 Connect the conventional devices (A1 to A6 and ÖA), according to the diagram on page 12.
- 2 For operation by current-impulse switches connect the devices to the outputs (see page 13) and configure the outputs in the menu as described on page 34.
- 3 In case of analog phone operation insert the plug of the telephone line into the telephone wall socket.
- 4 Plug power supply into 230 V outlet or connect the external power supply to "+" and "-". After having plugged in the power supply the message

*Please wait*

will appear on the display. The display is blinking for some seconds and then it will change to:

TC PLUS  
0  
00:00 Sa 27.11.04

Now the TeleCoppler 2 is ready for operation.

## 4 Settings

### 4.1 Operating Element

The performance features of the TeleCoppler 2 can be adjusted as desired. All settings (except for time and date) will be restored in case of a failure of the 230 V network.

Before initial operation a few necessary parameters are to be programmed:

The setting is done by turnkey. By turning the turnkey the parameter which is supposed to be set changes its value or its position. By pressing the turnkey the changed parameter is fixed or the setting is confirmed.

In case of ON/OFF settings the value changes each time the turnkey is pressed.

By pressing the turnkey you can also confirm a reported alarm.

### 4.2 Display

The user guide of the TeleCoppler 2 is supported by a 4 line 20 character display.

There the following informations can be read:



```
TC PLUS
0 12   1
1 4    678 0
08:15 Sa 27.11.04
```

- First line: device digit state message (e. g. "line failure")
- Second line: switched outputs (A) in the following sequence: conventional devices (1 to 6) space inactive outputs are not being displayed
- Third line: switched inputs (E) in the following sequence: conventional devices (1 to 6) space inactive outputs are not being displayed
- Fourth line: time, day and date

### 4.3 Default Settings

The TeleCoppler 2 will be delivered with the following settings:

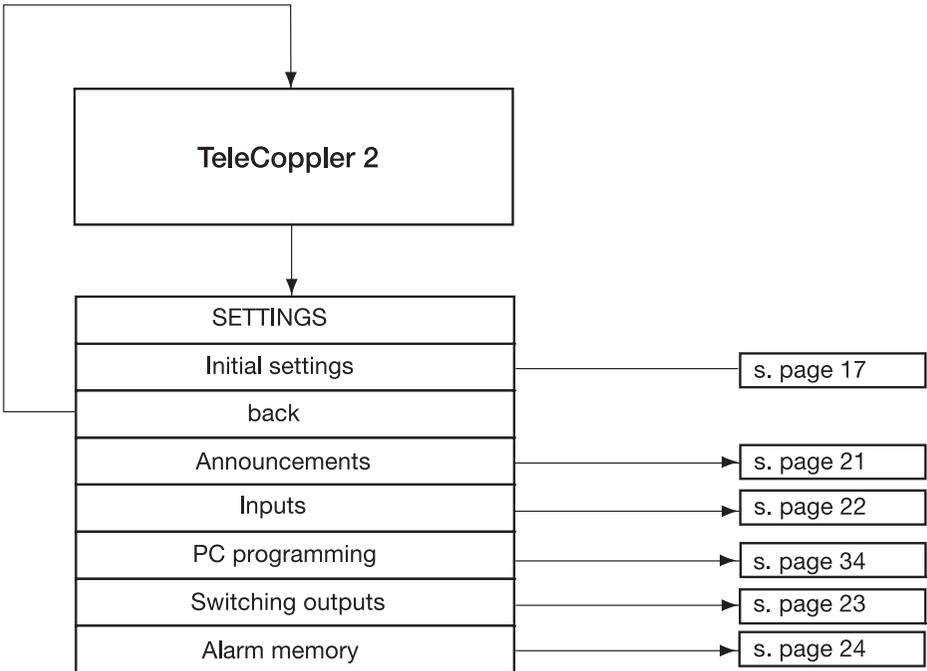
- Amount of dial attempts: 12
- Code number: 0000
- 1st to 5th CLIP number: none
- Amount of ringing signals: 2
- Dialing method: DTMF
- Line access number: x (= none)
- Dial tone recognition: Off
- Pause: 0
- Display language: English
- Answering machine mode: Off
- Announcement texts: are given (see page 51)

## 5 Display Menu Guide

This chapter shows the menus for the user guide of the TeleCoppler 2. It is supposed to help you find certain setting elements. In general, all settings can be performed on the PC (see page 36) and can be

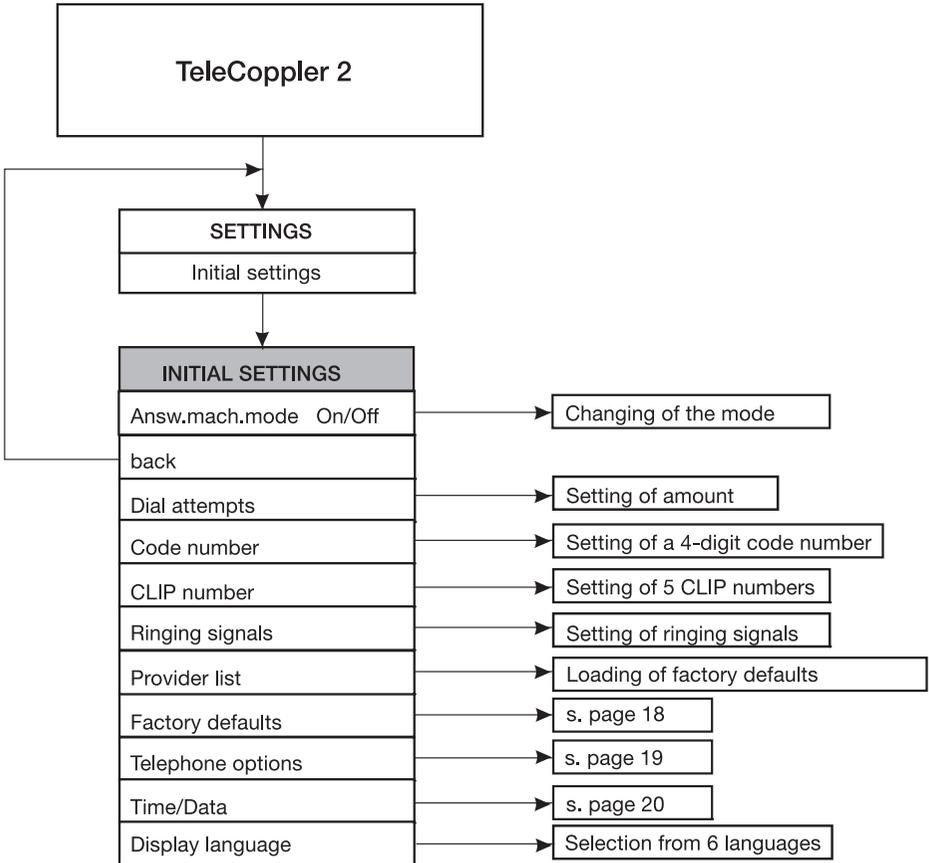
transmitted to the TeleCoppler 2 via the serial interface. The procedures described below are suited for small changes performed locally or in case there is no PC available.

A summary of all possible setting items you will find at the end of this chapter. The menu is being activated by turning the turnkey in either direction.



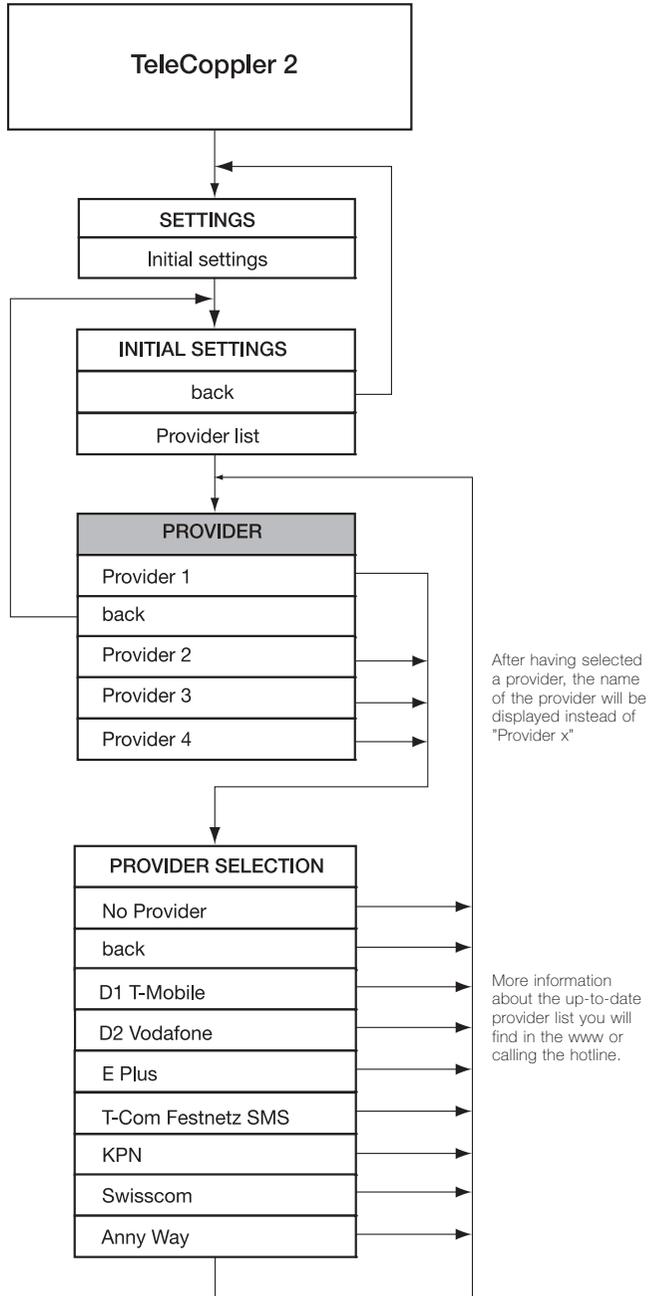
## 5 Display Menu Guide

### 5.1 Initial Settings



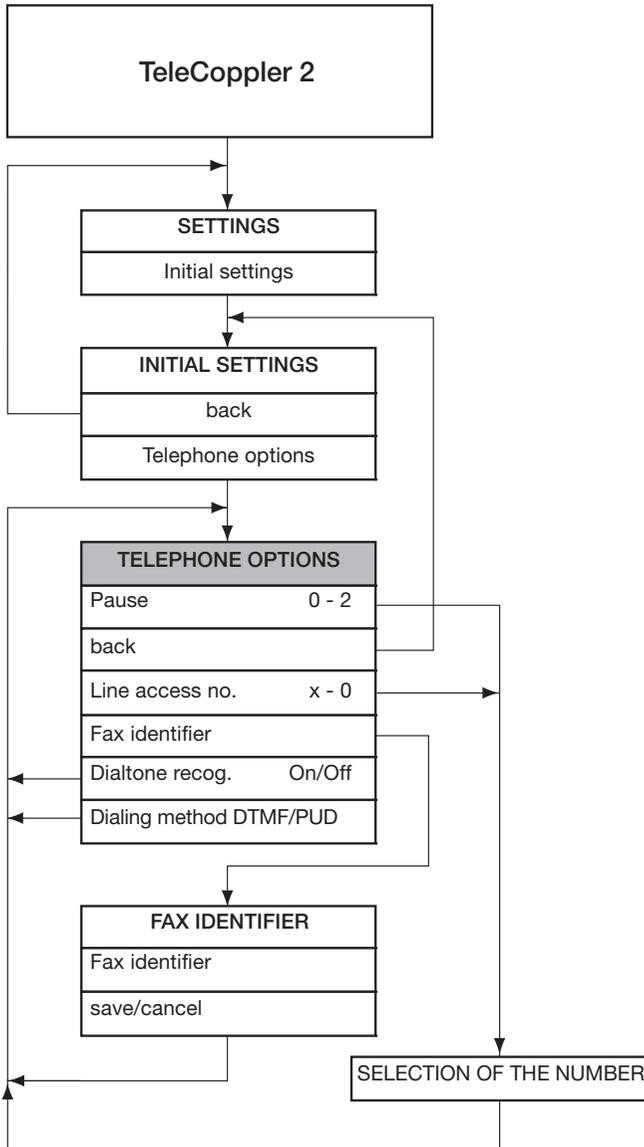
## 5.1 Initial Settings

### 5.1.1 Provider for Analog Telephone Mode



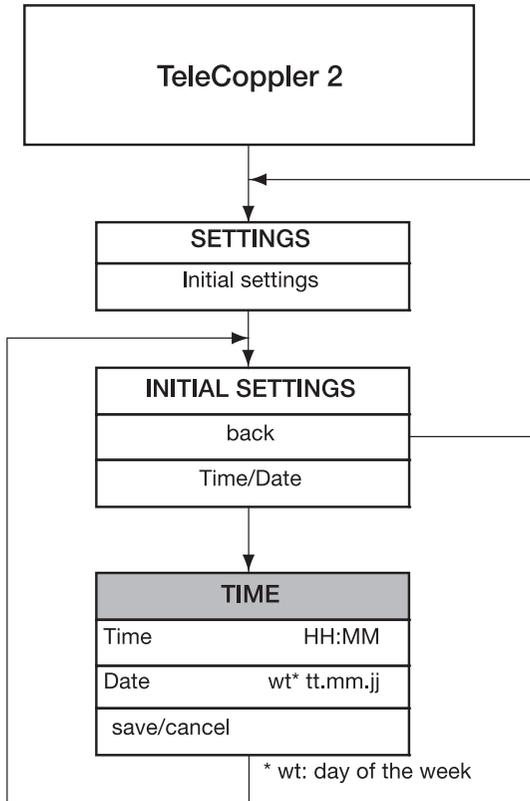
## 5.1 Initial Settings

### 5.1.2 Telephone Options for Analog Mode



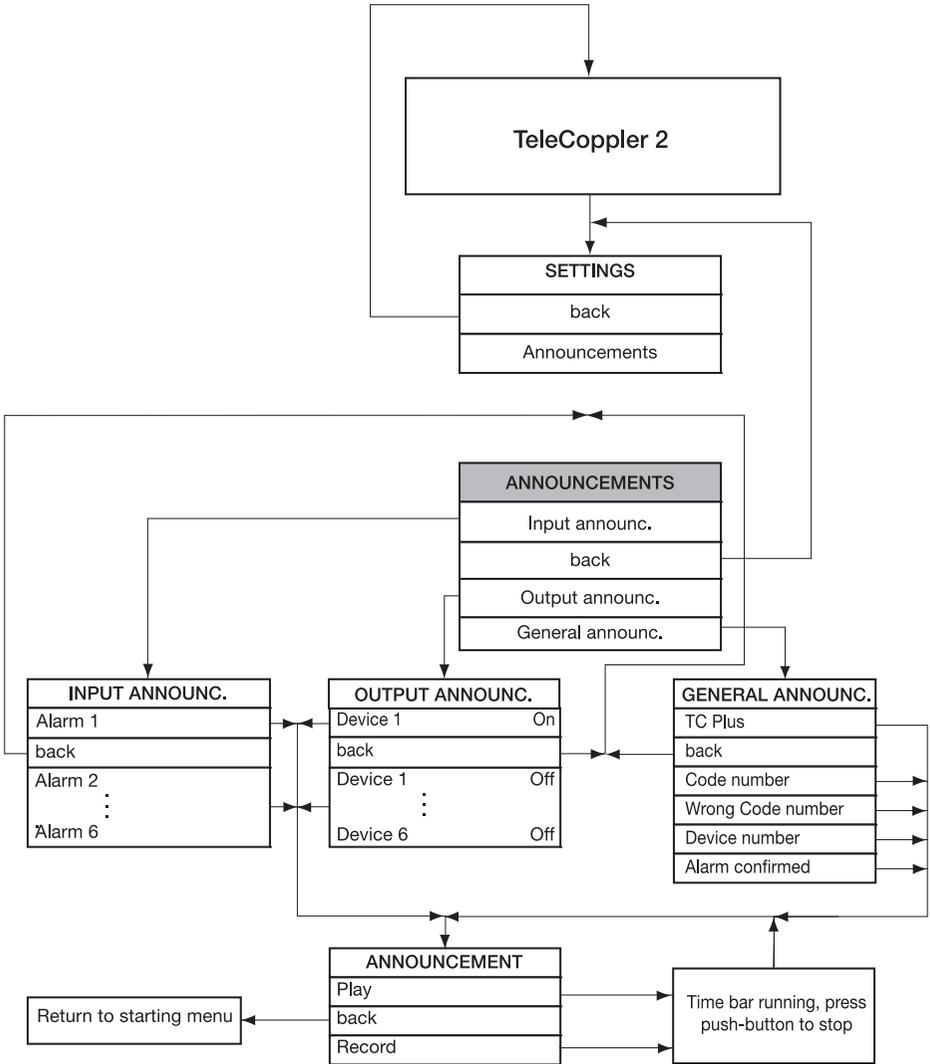
## 5.1 Initial Settings

### 5.1.3 Set Time/Date



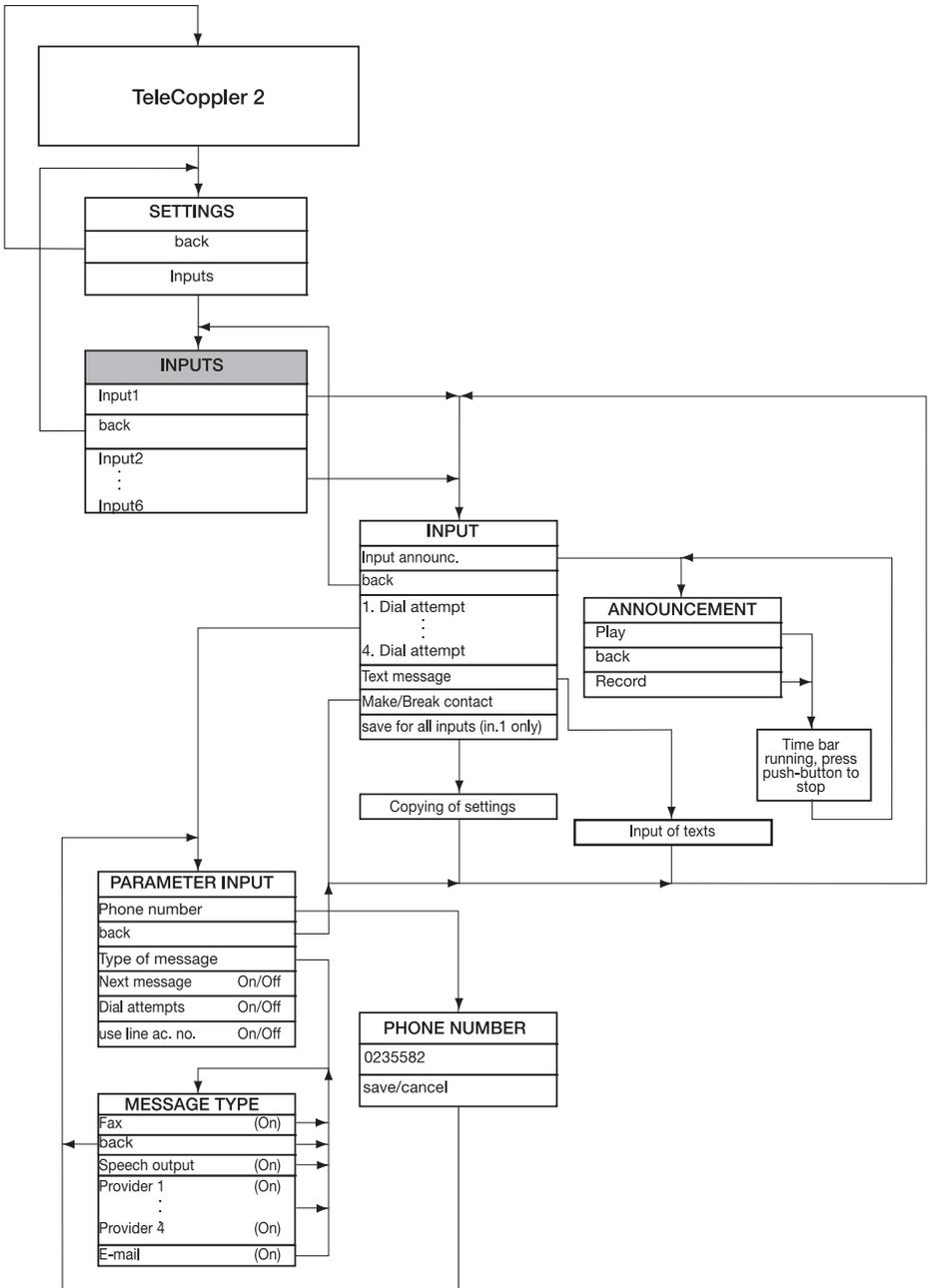
# 5 Display Menu Guide

## 5.2 Edit Announcements



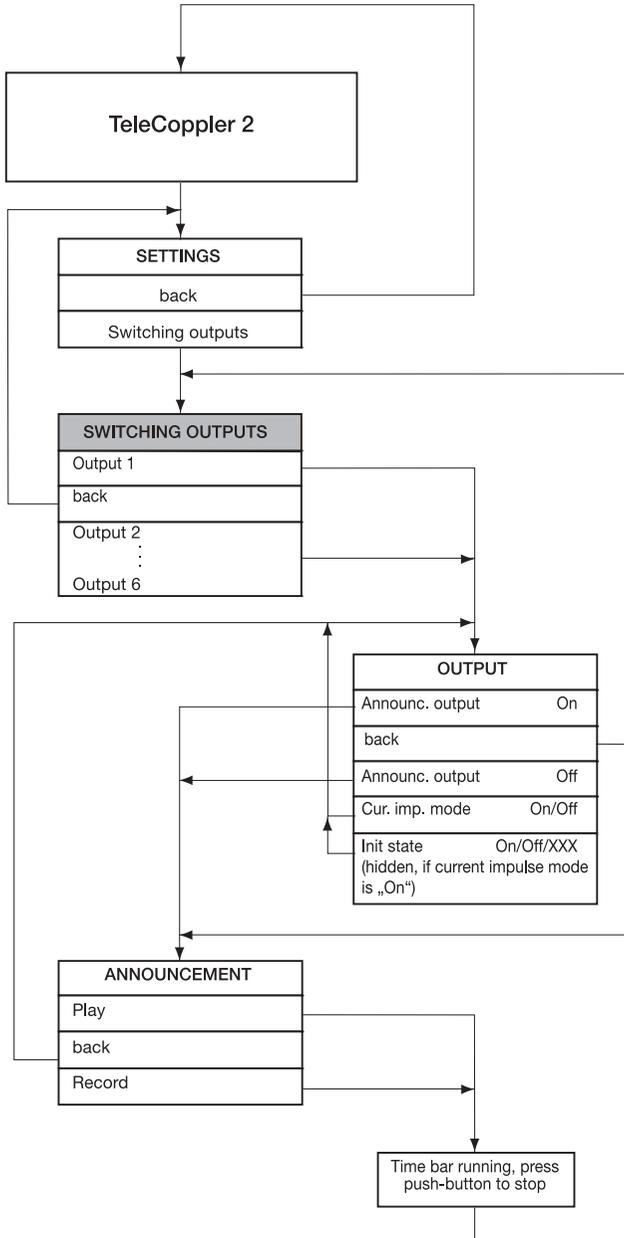
# 5 Display Menu Guide

## 5.3 Configure Alarm Inputs



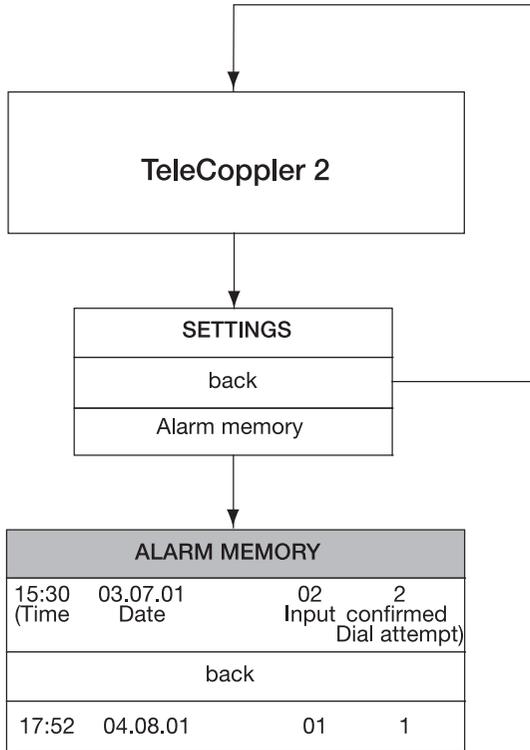
## 5 Display Menu Guide

### 5.4 Set Switching Outputs



## 5 Display Menu Guide

### 5.5 Display Alarm Memories



## 5 Display Menu Guide

### 5.6 Summary of Menu Items

Answering machine mode:	Initial Settings	
Amount of dial attempts:	Initial Settings	
Code number:	Initial Settings	
1 <sup>st</sup> to 5 <sup>th</sup> CLIP number:	Initial Settings	→ CLIP number
Amount of ringing signals:	Initial Settings	

#### Provider settings

Provider 1 to 4:	Initial Settings	→ Provider selection
Fax identifying number:	Initial Settings	→ Provider selection
Dial tone recognition:	Initial Settings	→ Telephone options
Pause:	Initial Settings	→ Telephone options
Line access number:	Initial Settings	→ Telephone options
Fax identifier:	Initial Settings	→ Telephone options
Dialing method:	Initial Settings	→ Telephone options
PIN number:	Initial Settings	
Time:	Initial Settings	
Date:	Initial Settings	
Display language:	Initial Settings	

#### Announcements for

Alarm 1 to 6:	Announcements	→ Input announc.
Device 1 to 6 On/Off:	Announcements	→ Output announc.
Announcement texts:	Announcements	→ General announc.

#### Settings for inputs

Phone number:	Inputs	→ Input 1-6	→ Dial attempt 1-4
Type of message:	Inputs	→ Input 1-6	→ Dial attempt 1-4
Next message:	Inputs	→ Input 1-6	→ Dial attempt 1-4
Dial attempts On/Off:	Inputs	→ Input 1-6	→ Dial attempt 1-4
Use Line access no. On/Off:	Inputs	→ Input 1-6	→ Dial attempt 1-4
Text message:	Inputs	→ Input 1-6	
Make contact/Break contact:	Inputs	→ Input 1-6	

## 5 Menu Guide for the Display

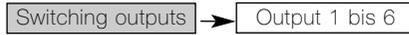
### 5.6 Summary of Menu Items

#### Settings of switching outputs

Current impulse mode On/Off:



Init condition On/Off/XXX:



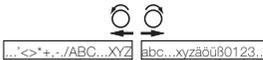
6.1 Configuration by Turnkey

The TeleCoppler 2 can be programmed by turnkey as well as by PC.

The more comfortable method is by PC. In order to download the configuration from or to the PC, turn the turnkey on the TeleCoppler 2 to "PC programming".

Single parameters can be easily adjusted by turnkey.

When entering texts you will find the small letters by turning left/counter-clockwise and the capital letters by turning right/clockwise, digits and symbols you will find in between.



In the following paragraphs all menu items which can be programmed directly on the PC are described. The sequence of description will follow that of the display.

**You will reach the SETTINGS MENU by turning the turnkey in either direction. From there you will get to the INITIAL SETTINGS MENU.**

A present summary of your (individual) settings you can get using the copy master which is also enclosed on the delivered CD-ROM.

**Legend:**

- Turn turnkey to select desired display.
- Press turnkey to confirm selection.

6.1.1.1 Set Number of Dial Attempts

The number of dial attempts carried out by the TeleCoppler 2 can be set from 0 to 12 (maximum). The dial attempts will be performed in sequence until the set number of dial attempts is reached or until the alarm has been confirmed.

A detailed description of all the message types you will find on 42 in chapter "Alarm Input Menu".

In case the number of dial attempts is set to 0, the TeleCoppler 2 can only be used as remote switching device.

6.1.1.2 Set Code Number

The code number is requested if you call your TeleCoppler 2 from the distance by phone in order to determine the state or to control devices. It protects your TeleCoppler 2 from unauthorized access.

You can change the default setting of the code number 0000 any time. However, 4 digits for the code number are mandatory.

For higher access protection of your TeleCoppler 2 it is recommended that you change the code number at least once a month.

After 3 attempts entering a wrong code number the connection will be automatically disconnected by the TeleCoppler 2.

**Display                      Operation**

INITIAL SETTINGS Answ.mach.mode ON > back Dial attempts	
INITIAL SETTINGS back >Dial attempts Code number	
DIAL ATTEMPTS 12 save                      cancel	
DIAL ATTEMPTS 1 save                      cancel	
DIAL ATTEMPTS Z save                      cancel	
DIAL ATTEMPTS 7 save                      cancel	
INITIAL SETTINGS Answ.mach.mode ON > back Dial attempts	

**Display                      Operation**

INITIAL SETTINGS Answ.mach.mode ON > back Dial attempts	
INITIAL SETTINGS Dial attempts >Code number CLIP Number	
CODE NUMBER 0000 save                      cancel	
CODE NUMBER 1000 save                      cancel	
CODE NUMBER 1000 save                      cancel	
CODE NUMBER 1200 save                      cancel	

## 6.1.1 Initial Settings Menu

### 6.1.1.2 Set Code Number

Display	Operation
<pre>CODE NUMBER 1200 save          cancel</pre>	● ○
<pre>CODE NUMBER 1230 save          cancel</pre>	● ○
<pre>CODE NUMBER 123Q save          cancel</pre>	● ○
<pre>CODE NUMBER 1234 save          cancel</pre>	● ○
<pre>CODE NUMBER 1234 save          cancel</pre>	●
<pre>INITIAL SETTINGS Answ.mach.mode ON &gt; back Dial attempts</pre>	

### 6.1.1.3 Set CLIP Numbers

CLIP stands for Calling Line Identification Presentation. It enables you to see the caller's phone number on your phone display - if the caller allows this.

The TeleCoppler 2 analyzes the CLIP numbers in order to offer you additional access protection when remote switching. You can set up to 5 phone numbers which are then authorized to remote requests and remote switching of the TeleCoppler 2. The phone number of the caller will be shown on the display and will be compared to the pre-set ones. It has to be identical to a given phone number in every single character and also in the number of characters.

You can de-block certain phone number bundles, too, by setting a "\*" instead of digits, e. g. for several extensions of a PABX. You enter "0114711\*\*" and thus permit all extensions with numbers ending in 00 to 99 to have access to your TeleCoppler 2. Only when the caller's CLIP number is transmitted it is possible to display and analyze the phone number.

**Note:** If the TeleCoppler 2 is installed to a PABX, the CLIP function has to be transmitted in order to use this performance feature.

**Display**                      **Operation**

<pre>INITIAL SETTINGS Answ.mach.mode ON &gt; back Dial attempts</pre>	○
<pre>INITIAL SETTINGS Code number &gt; CLIP number Ringing signals</pre>	●

**Display**                      **Operation**

<pre>CLIP NUMBER 1. CLIP number &gt; back 2. CLIP number</pre>	○
<pre>CLIP NUMBER 5. CLIP number &gt; 2. CLIP number back</pre>	●
<pre>CLIP NUMBER - save          cancel</pre>	● ○
<pre>CLIP NUMBER 0 save          cancel</pre>	● ○
<pre>CLIP NUMBER 0 save          cancel</pre>	● ○

Continue until the number is completed.

<pre>CLIP NUMBER 0234 save          cancel</pre>	● ○
<pre>CLIP NUMBER 0234 save          cancel</pre>	●
<pre>CLIP NUMBER 1. CLIP number &gt; back 2. CLIP number</pre>	

Enter 2<sup>nd</sup> to 5<sup>th</sup> number (or as many as desired) in the same way.

<pre>CLIP NUMBER 1. CLIP number &gt; back 2. CLIP number</pre>	●
<pre>INITIAL SETTINGS Answ.mach.mode ON &gt; back Dial attempts</pre>	

## 6.1.1 Initial Settings Menu

### 6.1.1.4 Set Number of Ringing Signals

With this parameter you can determine how many ringing signals there should be until the TeleCoppler 2 accepts the call. A number of 9 ringing signals (maximum) can be programmed. Up to this point in time it is possible to re-request the call on a phone which is installed at this connection. If you have programmed "0" as number of ringing signals, no call will be accepted.

The setting of ringing signals will be ignored if the TeleCoppler 2 is being operated in the ANSWERING MACHINE mode.

In order to analyze a CLIP number the number of ringing signals has to be set at least to 2. Otherwise, the TeleCoppler 2 cannot exactly recognize the phone number and display it.

#### Display

#### Operation

INITIAL SETTINGS  
Answ.mach.mode ON  
> back  
Dial attempts



INITIAL SETTINGS  
CLIP number  
> Ringing signals  
Provider selection



RINGING SIGNALS  
0  
save cancel



RINGING SIGNALS  
2  
save cancel



RINGING SIGNALS  
5  
save cancel



INITIAL SETTINGS  
Answ.mach.mode ON  
> back  
Dial attempts



### 6.1.1.5 Select Provider

For analog operation you will need a provider in order to send e-mails and SMS's. You can select from a list of providers, however, you must observe that the provider will match the phone numbers you have entered in the TYPE OF MESSAGE MENU. The parameters will set themselves automatically.

#### Display

#### Operation

INITIAL SETTINGS  
Answ.mach.mode ON  
> back  
Dial attempts



INITIAL SETTINGS  
Ringing signals  
> Provider list  
Factory defaults



PROVIDER  
Provider 1  
> back  
Provider 2



PROVIDER  
Provider 4  
> Provider 1  
back



PROVIDER SELECTION  
No Provider  
> back  
D1 T-Mobile



PROVIDER SELECTION  
D2 Vodafone  
> E-Plus  
T-Com Festnetz SMS



PROVIDER  
E-Plus  
> back  
Provider 2



In the same way you can set more providers.

### 6.1.1.6 Set Telephone Options

When programming phone numbers you can also save specific features of your PABX. These are – according to the respective mode of operation:

	Analog
Line access no.	X
Pause	X
Fax identifier	X
Dialing method	X
Dial tone recog.	X

Table 1

In case the dial tone recognition is set active the dialing will be cancelled if no dial tone can be recognized. This performance feature can only be programmed if the TeleCoppler 2 is connected directly to the subscriber line.

#### Set line access number:

#### Display

#### Operation

INITIAL SETTINGS  
Answ.mach.mode ON  
> back  
Dial attempts



INITIAL SETTINGS  
Provider selection  
> Telephone options  
Time/Date



TELEPHONE OPTIONS  
Pause 0  
> back  
Line access no. X



TELEPHONE OPTIONS  
back  
> Line access no. X  
Fax identifier



## 6.1.1 Menu of Initial Settings

### 6.1.1.6 Set Telephone options

<u>Display</u>	<u>Operation</u>	<b>Set dialing pause:</b>	
<u>Display</u>	<u>Operation</u>	<b>Display</b> <b>Operation</b>	
<pre>TELEPHONE OPTIONS back &gt; Line access no. 9 Fax identifier</pre>	●	<pre>TELEPHONE OPTIONS Dialing method PUD &gt; Pause 0 back</pre>	● ○
<b>Set fax identifier:</b>		<pre>TELEPHONE OPTIONS Dialing method PUD &gt; Pause 2 back</pre>	●
<b>Display</b>	<b>Operation</b>	<pre>TELEPHONE OPTIONS Pause 0 &gt; back Line access no. 9</pre>	○
<pre>TELEPHONE OPTIONS Line access no. 0 &gt; Fax identifier Dial tone recog. Off</pre>	●	<pre>TELEPHONE OPTIONS Pause 2 &gt; back Line access no. 9</pre>	●
<pre>FAX IDENTIFIER Fax identifier save                      cancel</pre>	●	<pre>INITIAL SETTINGS Answ.mach.mode ON &gt; back Dial attempts</pre>	

Enter the desired fax identifier and save by pressing the turnkey.

#### **Set dial tone recognition:**

<u>Display</u>	<u>Operation</u>
<pre>TELEPHONE OPTIONS Pause 0 &gt;back Line access no. 9</pre>	○
<pre>TELEPHONE OPTIONS Fax identifier &gt;Dial tone recog. Off Dialing method DTMF</pre>	●
<pre>TELEPHONE OPTIONS Fax identifier &gt;Dial tone recog. On Dialing method DTMF</pre>	○

#### **Set dialing method:**

<u>Display</u>	<u>Operation</u>
<pre>TELEPHONE OPTIONS Dial tone recog. On &gt;Dialing method DTMF Pause 0</pre>	●
<pre>TELEPHONE OPTIONS Dial tone recog. On &gt;Dialing method PUD Pause 0</pre>	○

## 6.1.2 Announcements Menu

### 6.1.2.1 Select Display Language

You can select the language of the display messages. The following languages are available: German, English, French, Spanish, Italian and Netherlands.

You will find the DISPLAY LANGUAGE MENU item in the INITIAL SETTINGS MENU.

**Note:** The language of the announcements is not affected by this selection.

<u>Display</u>	<u>Operation</u>
----------------	------------------

INITIAL SETTINGS Answ.mach.mode OFF > back Dial attempts	○
INITIAL SETTINGS EIB Module ON > Display language Answ.mach.mode OFF	●
DISPLAY LANGUAGE back > English Italiano	○
DISPLAY LANGUAGE Nederlands > Deutsch back	●
DISPLAYSPRACHE Nederlands > Deutsch zurück	○
DISPLAYSPRACHE Deutsch > zurück English	●
GRUNDEINSTELLUNGEN AB-Betrieb OFF > zurück Wahlversuche	

### 6.1.2.2 Answering Machine Mode

If in the INITIAL SETTINGS MENU the Answering machine mode item is set to ON (same procedure as dial tone recognition, see page 30) the TeleCoppler 2 does not switch on in case of an incoming call, so that a connected answering machine may request the call. If a caller hangs up after the first ringing signal, waits at least for 10 s, and then calls again within 60 s, the TeleCoppler 2 switches on again after the first ringing signal. In this way, either a connected answering machine or the TeleCoppler 2 can be addressed (see also 74). The set number of ringing signals will be ignored in this operating mode.

### 6.1.2.3 Call up Announcements

The default state of the TeleCoppler 2 has all necessary announcements and alarm messages given. In order to adjust them to your individual requirements you have the possibility to record your own text messages. In order to do this you need a handset, which you connect as described on 10.

You can adjust all the announcement texts or only some of them. For each of the messages the available recording time is 6 s. The display will show a bar diagram which decreases when recording or playing and thus telling you how much time is left.

You start and stop the recording with the turnkey. Then you can check your announcement. On page 51 you will find a list of suggested texts you can use for recording. The procedure for recording and playing is as follows:

<u>Display</u>	<u>Operation</u>
----------------	------------------

ANNOUNCEMENT play > back record	○
ANNOUNCEMENT back > record play	●
TIME  press push-button to stop	●
ANNOUNCEMENT play > back record	

## 6.1.2 Announcements Menu

### 6.1.2.4 Edit Input Messages

Input messages are being sent off if alarms 1 to 6 have been activated. In order to record individual texts for these announcements, select the INPUT ANNOUNC. item in the ANNOUNCEMENTS MENU and there the respective alarm which you want to edit or check. Then follow the procedure described under "Call up Announcements", 40.

### 6.1.2.5 Edit Alarm Messages

This term defines the states (On/Off) of the connected devices. For the conventional devices 1 to 6 individual announcements can be recorded. If you want to check or record new texts select the OUTPUT ANNOUNC. item in the ANNOUNCEMENTS MENU and then select the respective device.

### 6.1.2.6 Edit Message Texts

Instead of the given voice user guide you can also use your own announcements, e. g. to tell your name or your phone number when answering the phone. The procedure is the same as described for input and output messages. You will find this item in the ANNOUNCEMENT submenu of the GENERAL ANNOUNC. MENU.

## 6.1 Configuration by Turnkey

### 6.1.3 Alarm Inputs Menu

You can program the 6 conventional inputs each with up to 4 destinations (dialing attempts) to which incoming alarms should be re-directed (e. g. security company or your own mobile phone). For each dial attempt you can select among 4 message types:

- announcement by phone,
- SMS,
- e-mail or
- fax machine.

For these methods you can determine the appropriate phone numbers or addresses, and the type of message (text message or voice message/announcement).

For each input you can also determine if the alarm should be activated by a make contact or by a break contact. When using the message types SMS, e-mail, or fax machine you should set the menu item NEXT MESSAGE to On, in order to send off the defined voice message, because with these methods the confirmation is effected after transmitting to the provider or to the fax machine, and it is not ensured that the message has been read.

If there is no confirmation, a local alarm will be sent off and on the display of the TeleCoplper 2 the text "Dial attempt not successful" will appear. If there is no phone number programmed, the local alarm is being switched on immediately and the display will read "No phone number".

For a detailed example of the steps of an alarm memory see page 44 (chapter "Function").

#### Display

#### Operation

SETTINGS  
Announcements  
> Inputs  
PC programming



INPUTS  
Input 1  
> back  
Input 2



INPUTS  
Input 6  
> Input 1  
back



INPUT  
Input announc.  
> back  
1. Dial attempt



INPUT  
back  
> 1. Dial attempt  
2. Dial attempt



PARAMETER INPUT  
Phone number  
> back  
Type of message



PARAMETER INPUT  
back  
> Type of message  
Next message Off



MESSAGE TYPE  
Fax  
> back  
Speech output



MESSAGE TYPE  
back  
> Speech output On  
SMS



MESSAGE TYPE  
Fax  
> back  
Speech output On



MESSAGE TYPE  
Fax  
> back  
Speech output On



PARAMETER INPUT  
Phone number  
> back  
Type of message



PARAMETER INPUT  
Use line ac.no. On  
> Phone number  
back



Enter your phone number as described, e. g. under CLIP number (see page 28). Then continue entering the parameters in the PARAMETER INPUT MENU. By setting the USE LINE AC. NO. item to On you switch active the line access number and the dialing break which have been entered in the TELEPHONE OPTIONS MENU.

#### Display

#### Operation

PARAMETER INPUT  
Type of message  
> Next message Off  
Dial attempts Off



PARAMETER INPUT  
Type of message  
> Next message On  
Dial attempt Off



PARAMETER INPUT  
Next message On  
> Dial attempt Off  
Use line ac.no. Off



PARAMETER INPUT  
Next message On  
> Dial attempt On  
Use line ac.no. Off



PARAMETER INPUT  
Dial attempt On  
> Use line ac.no. Off  
Phone number



PARAMETER INPUT  
Dial attempt On  
> Use line ac.no. Off  
Phone number



PARAMETER INPUT  
Phone number  
> back  
Type of message



INPUT  
Announcements  
> back  
1. Dial attempt



INPUT  
save  
> Announcements  
back



ANNOUNCEMENTS  
play  
> back  
record



## 6.1 Configuration by Turnkey

### 6.1.3 Alarm Inputs Menu

For playing or recording announcements continue as described under "Call up announcements" (see page 31). For the message types fax machine and SMS the same procedure applies as described under "Call up announcements". Here, too, the appropriate phone number has to be entered. Instead of an announcement you can compose a message under GENERAL ANNOUNC. which can have 160 characters at the maximum. In case of an alarm, the message will be forwarded via fax or sent as SMS.

**Note:** Please observe that the e-mail address (phone number with the message type "e-mail") has to be included into the number of characters allowed. And furthermore, a provider must be set supporting e-mails.

In case you want to make the same entries for all inputs you can, after having configured input 1, select the SAVE FOR ALL INPUTS MENU item and your data will be automatically copied to the remaining alarm inputs.

### 6.1.4 PC Programming Menu

All menu items can also be programmed by PC more comfortably.

To download the present settings from or to the PC, the TeleCoppler 2 must be set to "PC programming".

For detailed directions see chapter "Configuration by PC (see page 36).

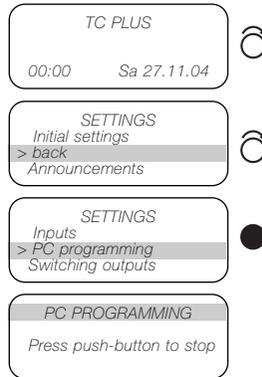
### 6.1.5 Switching Outputs Menu

For outputs 1 to 6 you can hear or record the appropriate announcements of the switching states On or Off.

Moreover, you can set the CURRENT IMPULSE MODE and define the INIT CONDITION, i. e. you determine which state the device is supposed to have when restoring the line voltage after a power failure.

#### Display

#### Operation



## 6.1 Configuration by Turnkey

### 6.1.6 Alarm Messages Menu

The last 20 alarm messages will be saved and displayed. The list will start with the last message.

The message has the following format:

```
ALARM MESSAGES
08:16 01.06.04 01 5
>back
07:31 12.05.04 06 3
```

From left to right in each line you can read the following: Time, date, number of input which has been activated, if and where the dialing attempt was confirmed.

Explanation of symbols being used:

- 0: not confirmed
- 1- 4: first dial attempt, which has confirmed
- 5: confirmed on the Tele-Coppler 2.

## 6.2 Configuration by PC

### 6.2.1 General

The provided CD also includes the PC program. The CD includes the software and the operating instructions. The respective directories are named accordingly.

For installation start the Setup file in the Software directory and then follow the instructions on the screen.

On your hard disk a folder named "TC Plus" will be created, there the entire TeleCoppler 2 software will be saved.



To delete this directory exclusively use the de-installation routine of the windows operating system of your PC.

During installation, an icon "TC Plus" will automatically be generated on your desktop.

Thus, you can start the configuration program directly by clicking the icon.

With this program you can download data from the TeleCoppler 2 as well as save new data in the TeleCoppler 2. The TeleCoppler 2, in any case, must be connected to the PC by the provided serial cable and must be set to the respective serial interface (see connection of the PC as described on 10).

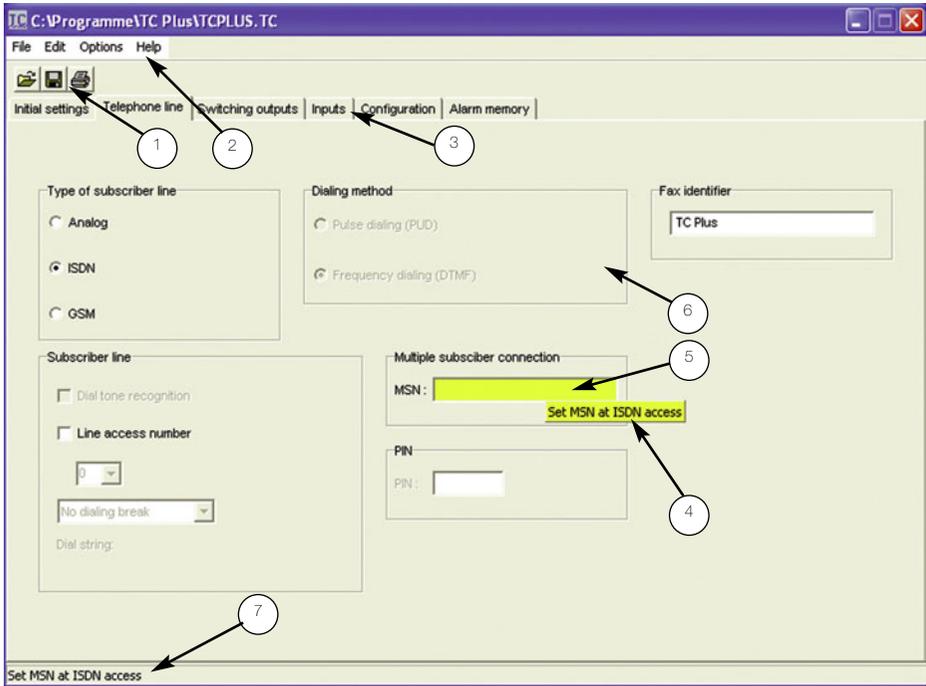
The enclosed software is able to configure other variants of the device. Therefore, there are some functions described that the TeleCoppler 2 does not offer.

### 6.2.2 System Requirements for the PC Program

- Intel Pentium processor
- Microsoft Windows 95, Windows 98 Second Edition, Windows Millennium Edition, Windows NT 4.0 with Service Pack 6, Windows 2000 with Service Pack 2, Windows XP Professional or Home, Windows 7
- 32 MB RAM (64 MB recommended)
- 5 MB free hard-disk memory
- serial interface RS 232
- resolution 800 x 600 Pixel (minimum)

## 6.2 Configuration by PC

### 6.2.3 Screen Description



1 The menu bar is structured as known from Windows applications and can be used accordingly.

2 The Help menu item offers support editing the TeleCoplper 2 software. The context help menu you can call up by pressing the F1 key on your PC keyboard. Make sure your cursor points to the respective topic.

3 You can set the features for your individual configuration on the following index cards:

- initial settings
- telephone line
- switching outputs
- alarm inputs

- TeleCoplper 2 configuration

4 If you keep the cursor on a menu item for some seconds, a context menu will appear, which offers you detailed explanations to the selected item. This performance feature you can set to ON or OFF in the Options menu.

5 Editable fields which have been selected will appear shaded yellow.

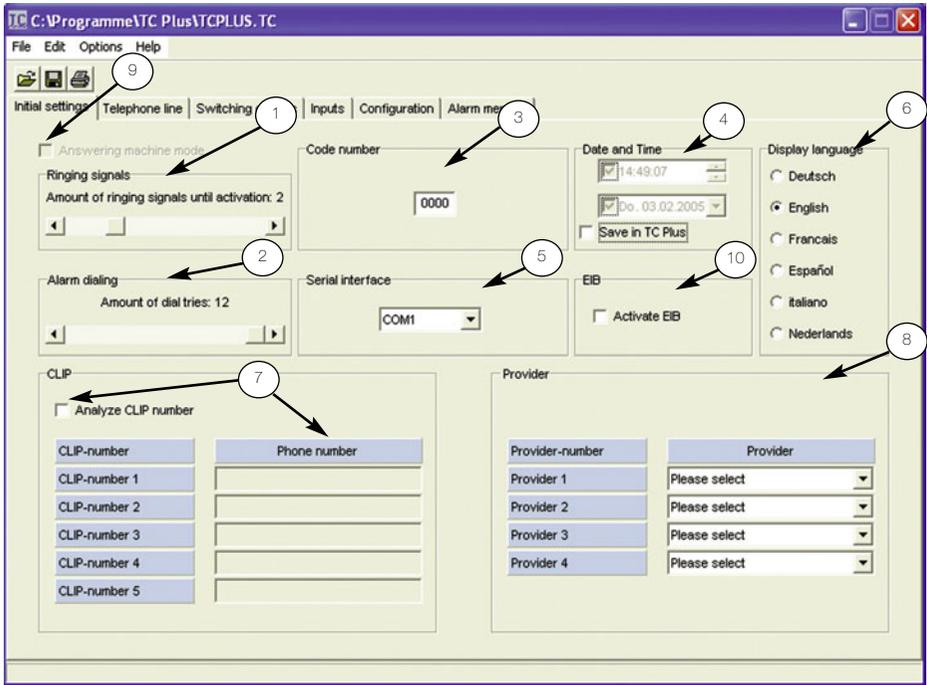
6 According to the set mode of operation (analog), specific performance features may not be configured. This is recognizable on the outlined depiction of the

menu items which cannot be selected.

7 The explanations of the context help you will also find in the lower status line on the screen.

## 6.2 Configuration by PC

### 6.2.4 Initial settings

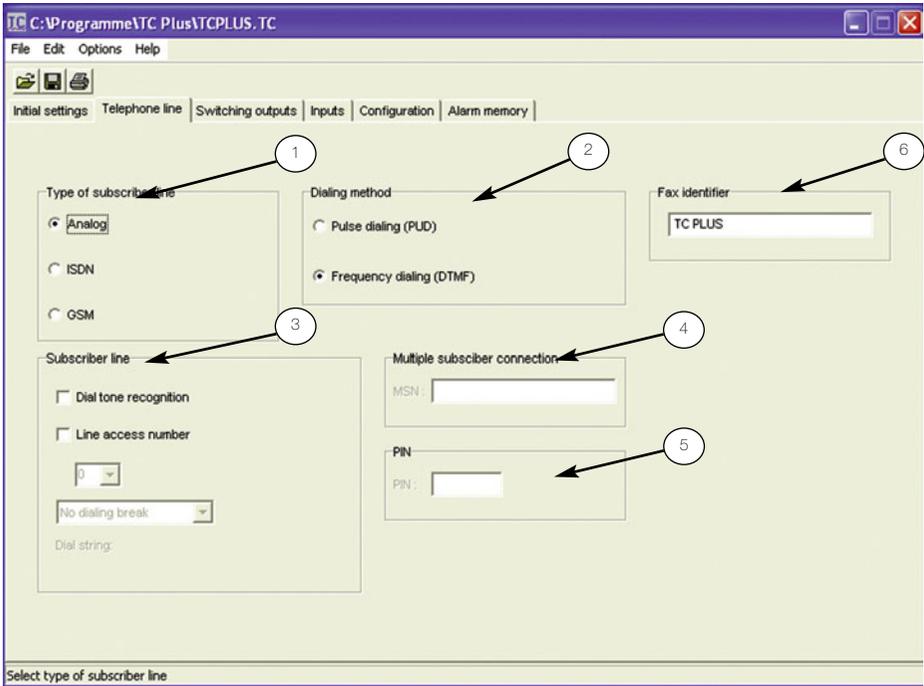


In the INITIAL SETTINGS menu you can program the following features:

- 1 Number of ringing signals**  
Number of ringing signals until activation (maximum 9).
- 2 Alarm dialing**  
Number of dial attempts to the programmed destinations which are carried out in case of an alarm (maximum 12).
- 3 Code number**  
Here you can change the default code number (4 digits). It will be requested for incoming calls.
- 4 Date and Time**  
Display of date and time from the PC; adopted
- 5 Serial interface**  
PC interface to which the PC is connected.
- 6 Display language**  
You can select from 6 languages in which the configuration program and the display texts will be shown.
- 7 CLIP numbers**  
Setting and analyzing of CLIP numbers for remote switching and remote requests if "Analyze CLIP number" is activated. Otherwise, no number can be entered. Only if the phone number of the caller matches exactly the programmed CLIP number the TeleCoppler 2 will accept the call. "\*" stands for any character.
- 8 Provider**  
List of popular providers for text messages (see also 6).
- 9 Answering machine mode**  
If set to ON calls are only accepted by the answering machine; the possibility to set the number of ringing signals is not active. The TeleCoppler 2 can only be addressed by a special procedure (see page 49).

## 6.2 Configuration by PC

### 6.2.5 Telephone Line

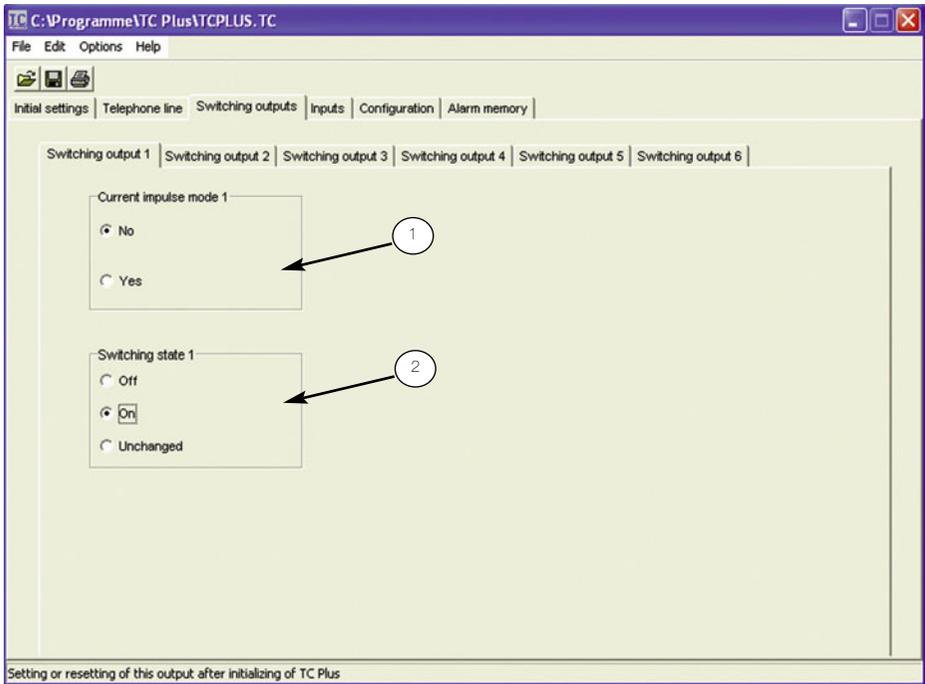


The configuration of the telephone line consists of the following features, specific to the installation of your PABX:

- 1 Type of subscriber line**  
Selection among analog, ISDN or GSM. After having made your selection, there are various extended configuration possibilities
- 2 Dialing method** (analog type only)  
Selection between PUD and DTMF
- 3 Subscriber line**  
Selection of line access number and dialing break with PABX's and dial tone recognition with analog type
- 4 Multiple subscriber selection** (ISDN type only)
- 5 Personal identification number** (GSM type only)
- 6 Fax identifier**  
Text which will appear on the top line of the fax describing the sender (20 characters maximum).  
After having determined the mode of operation for the subscriber line, you can now go on with further settings.

## 6.2 Configuration by PC

### 6.2.6 Switching Outputs

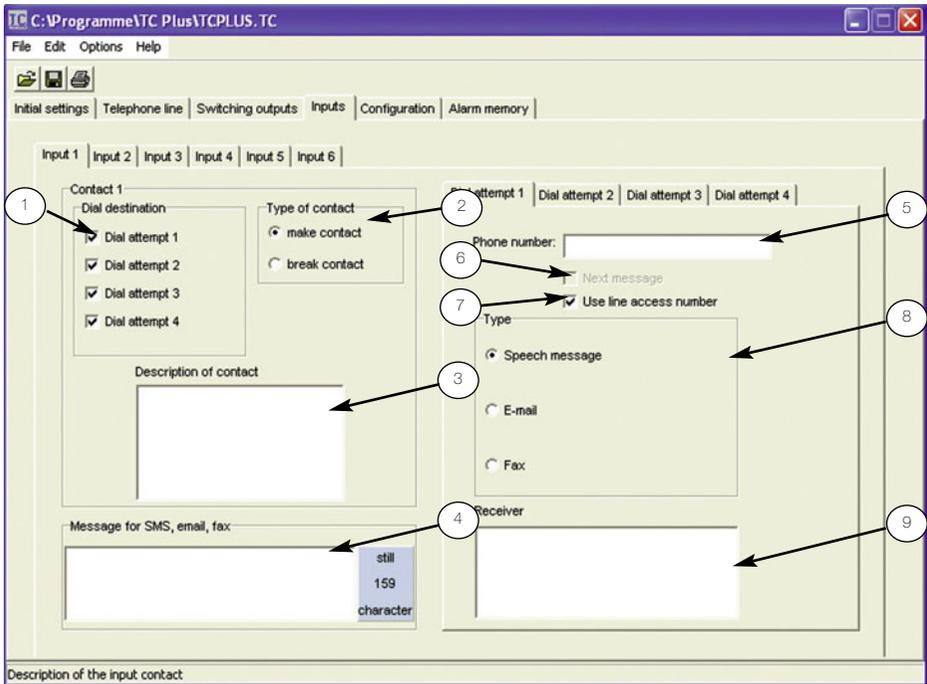


Here you can set the following features, separately for each of the 6 switching outputs:

- 1 **Current-impulse mode**  
Here you switch ON or OFF the mode of operation
- 2 **Switching state**  
Here you can define which state the output is supposed to have after restoration of the line voltage. This is only possible if the current-impulse mode is set to NO.  
Saving a switching state configuration into the Tele-Coppler 2 is effective to the outputs not before the line voltage has been restored after a power failure.

## 6.2 Configuration by PC

### 6.2.7 Inputs



For the alarm inputs and the EIB inputs you can define the contacts. And to each contact you can define 4 destinations to which alarms should be sent. You can also define the type of message.

- 1 Dial destination**  
How many and which destinations are supposed to be dialled.
- 2 Type of contact**  
Setting for "make contact" or "break contact".
- 3 Description of contact**  
When and how has the alarm been activated? This is only a note for the documentation.
- 4 Message for SMS, e-mail, fax**  
Entering the message (max. 160 characters) for

SMS, e-mail, and fax. If the text will be sent as e-mail the maximum length is shortened by the number of characters which are necessary for the e-mail address. The text for the voice message can not be defined here (see page 31)

Each phone number can be defined by the following:

- 5 Phone number**  
Here you enter the phone number for voice message, fax, SMS, or e-mail address.
- 6 Next message**  
In spite of an alarm confirmation the next message is supposed to be sent off in order to inform different message types about the

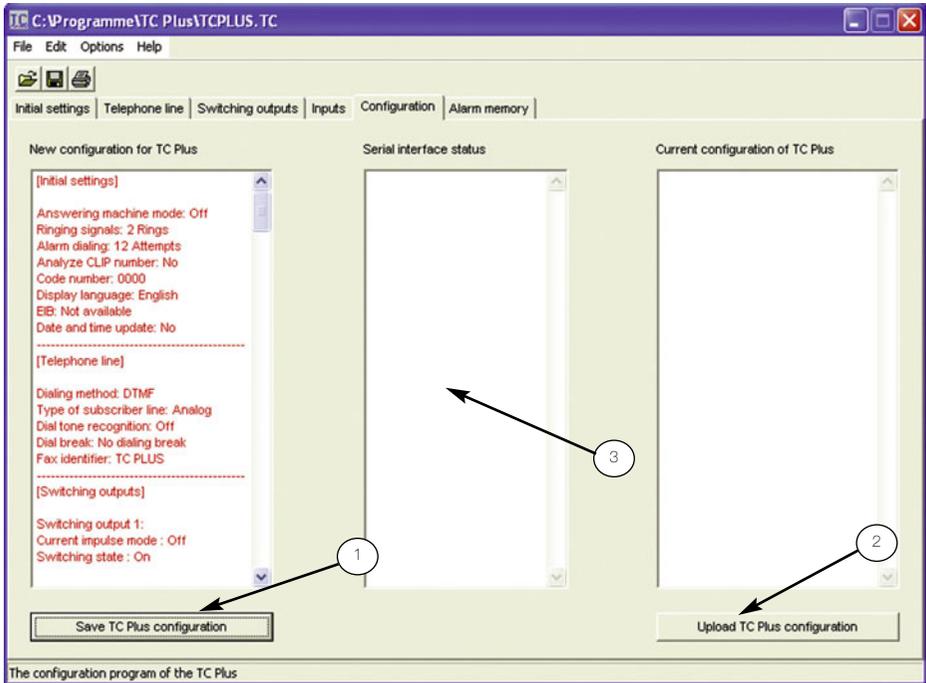
failure or to reach further terminals or persons.

- 7 Use line access number**  
Prefix number of the set line access number for phone numbers which do not belong to the PABX.
- 8 Message type**  
Defines the message output as announcement, SMS, e-mail, or fax.
- 9 Receiver**  
More information about the receiver of this message (e. g. name, address).

**Note:** Information concerning contact (3) or receiver (9) is only saved in the configuration file and not in the device.

## 6.2 Configuration by PC

### 6.2.8 TeleCoppler 2 Configuration



The following settings can be made in the TeleCoppler 2 configuration:

- 1 **Save TC Plus configuration**  
Saves the changed or the new configuration in the TeleCoppler 2
- 2 **Upload TC Plus configuration**  
Transfers the current TeleCoppler 2 configuration to the PC
- 3 After having selected 1 or 2 you will be asked to call up the PC programming menu on the TeleCoppler 2. There you will receive the message "The TC Plus has been re-initialized"

## 6.2 Configuration by PC

### 6.2.9 Alarm Memory

Number	Date	Day	Time	Input	Confirmation
Message 01:	00.00.2004		00:00	00	
Message 02:	00.00.2004		00:00	00	
Message 03:	00.00.2004		00:00	00	
Message 04:	00.00.2004		00:00	00	
Message 05:	00.00.2004		00:00	00	
Message 06:	00.00.2004		00:00	00	
Message 07:	00.00.2004		00:00	00	
Message 08:	00.00.2004		00:00	00	
Message 09:	00.00.2004		00:00	00	
Message 10:	00.00.2004		00:00	00	
Message 11:	00.00.2004		00:00	00	
Message 12:	00.00.2004		00:00	00	
Message 13:	00.00.2004		00:00	00	
Message 14:	00.00.2004		00:00	00	
Message 15:	00.00.2004		00:00	00	
Message 16:	00.00.2004		00:00	00	
Message 17:	00.00.2004		00:00	00	
Message 18:	00.00.2004		00:00	00	
Message 19:	00.00.2004		00:00	00	
Message 20:	00.00.2004		00:00	00	

The last 20 messages will be saved in the alarm memory. These messages indicate date, time, alarm input and type of confirmation.

## 7 Function of the TeleCoppler 2

### 7.1 Switch and Control Devices

The devices connected to the TeleCoppler 2 can be remote switched or remote controlled via telephone.

For switching and controlling devices, the following principle of DTMF digit codes is being used:

Device digit:        X Y Z  
**X** Device type  
      0 = conventional device  
**Y** Device number  
      1 to 6 (for conv. devices)  
**Z** Function  
      0 = switch off  
      1 = switch on  
      # = state request

The device digit has 3 digits.

The device type (X) differs between conventional device (0). The device number (Y) ranges between 1 and 6.

The last character (Z) defines if the device state is supposed to be switched on or off or if it is a state request (0, 1, or #). For a summary of possible entries see table 5 on 51.

**Note:** While an announcement is being made, the entering of digits will be ignored. Therefore, wait for the end of the voice message before dialing.

#### **Operation**

Two ringing signals are sent

Dial code number 0 0 0 0<sup>1</sup>

Dial digits (e. g. 010)

#### **Announcement**

Here is the TC Plus. Please dial the Code number.

Please dial the device number.

Device 1 is switched off.

An alarm which is activated while a phone connection exists will be sent off not before an existing connection has been disconnected.

---

<sup>1</sup> If the TeleCoppler 2 is being used within a PABX, it might be necessary to switch the PABX transparent to DTMF-signals, so that the incoming DTMF-signals will not be processed by the PABX. For further details see your PABX operation manual.

## 7 Function of the TeleCoppler 2

### 7.2 Correct a Wrong Code Number

#### Operation

Two ringing signals are sent

Dial code number **1 3 4 5**<sup>1</sup>

Dial code number **0 0 0 0**

Dial digits (e. g. **021**)

#### Announcement

Here is the TC Plus. Please dial the Code number.

The code number is wrong. Please dial the code number.

Please dial the device number.

Device 2 is switched on.

---

<sup>1</sup> After three faulty attempts the connection will be released.

## 7 Function of the TeleCoppler 2

### 7.3 Send Messages

The 6 conventional inputs send off messages automatically to the programmed destinations. The number of messages (dial attempts) and the kind (message type) is depending on the settings made in the respective menu item

(see "Configuration by turnkey, page 27, or "Configuration by PC", page 36).

In case all alarms should be unconfirmed, the local alarm output (ÖA) will be switched and, thus, an alarm detector which is connected to ÖA will

be switched on. An alarm can also be confirmed directly on the TeleCoppler 2 (turnkey or external confirmation push-button).

Settings in the following example 1 with dial attempts set to 12:

	1 <sup>st</sup> Dial attempt	2 <sup>nd</sup> Dial attempt	3 <sup>rd</sup> Dial attempt	4 <sup>th</sup> Dial attempt
<b>Phone number</b>	4711	01724713	4712	muster@mann.de
<b>Message type</b>	Announcement	D2 Vodafone	Fax	e-mail
<b>Announcement/ text message</b>	The heating system has broken down.	The heating system at the Mustermann's house has broken down.	The heating system at the Mustermann's house has broken down.	The heating system at the Mustermann's house has broken down.
<b>Next message</b>	Off	On	On	On

Table 3

#### Operation

#### Announcement or text

#### Display

TeleCoppler 2 starts 1<sup>st</sup> dial attempt

Announcement: „Here is the TC Plus of the Mustermann family. The heating system has broken down.“

**Subscriber does not confirm the alarm.**

After about 1 minute:  
TeleCoppler 2 starts 2<sup>nd</sup> dial attempt

SMS: „The heating system at the Mustermann's house has broken down.“

**SMS-Center confirms.**

After about 1 minute:  
TeleCoppler 2 starts 3<sup>rd</sup> dial attempt, because of „Next message On“

Fax: „The heating system at the Mustermann's house has broken down.“

**Fax was not sent (e. g. because of a busy line).**

TC Plus  
O 123456  
I 123456 7890  
12:00 Sa 27.11.04

TC Plus  
Dialing phone number  
4711  
12:00 Sa 27.11.04

TC Plus  
Dialing break  
12:01 Sa 27.11.04

TC Plus  
Send SMS  
01724713  
12:02 Sa 27.11.04

TC Plus  
Dialing break  
12:03 Sa 27.11.04

TC Plus  
Send Fax  
4712  
12:04 Sa 27.11.04

## 7 Function of the TeleCoppler 2

### 7.3 Sending of Messages

#### Operation

After about 1 minute:  
TeleCoppler 2 starts 4<sup>th</sup> dial attempt

#### Announcement or text

e-mail: „The heating system at the Mustermann’s house has broken down.“

#### Display

TC Plus  
Send e-mail  
muster@mann.de  
12:05 Sa 27.11.04

**e-mail has been confirmed.**

TC Plus  
Dialing break  
12:06 Sa 27.11.04

After about 1 minute:  
TeleCoppler 2 repeats 1<sup>st</sup> dial attempt, because of „Next message ON“ (5<sup>th</sup> dial attempts)

Announcement: Here is the TC Plus of the Mustermann family. The heating system has broken down.“

TC Plus  
Dialing phone number  
4711  
12:07 Sa 27.11.04

**Subscriber does not confirm.**

TC Plus  
Dialing break  
12:08 Sa 27.11.04

After about 1 minute:  
TeleCoppler 2 repeats 3<sup>rd</sup> dial attempt (2<sup>nd</sup> was confirmed; 6<sup>th</sup> dial attempts)

Fax: „The heating system at the Mustermann’s house has broken down.“

TC Plus  
Send FAX  
4712  
12:09 Sa 27.11.04

**Fax was sent successfully.**

TC Plus  
Dialing break  
12:10 Sa 27.11.04

After about 1 minute:  
TeleCoppler 2 repeats 1<sup>st</sup> dial attempt with 6 (max.) further dial attempts, if phone or but-ton did not confirm.

Announcement: Here is the TC Plus of the Mustermann family. The heating system has broken down.“

TC Plus  
Dialing phone number  
4711  
12:11 Sa 27.11.04

**Subscriber does not confirm.**

TC Plus  
Dialing break  
12:12 Sa 27.11.04

After the 12<sup>th</sup> dial attempt, at the very most

1<sup>st</sup> confirmed dial attempt

Alarm confirmed  
at 01724713  
12:13 Sa 27.11.04

TC Plus  
O 123456  
I 123456 7890  
12:14 Sa 27.11.04

## 7 Function of the TeleCoppler 2

### 7.3 Sending of Messages

If the Next message item was switched to OFF at all dial attempts, the TeleCoppler 2 would have cancelled the alarm message after the 2<sup>nd</sup> dial attempt because the transmitting of SMS to the provider is considered a confirmed alarm message.

If none of the dial attempts is being confirmed, the following message will appear on the display

*TC Plus*  
*Dialing w/o success*  
12:00 Sa 27.11.04

and the local alarm will be activated.

Example 2 shows the steps of an immediate alarm confirmation by the called participant 4711 with the same settings as in example 1.

Example 2:

#### Operation

TeleCoppler 2 starts 1<sup>st</sup> dial attempt

**Subscriber confirms with \*.**

#### Announcement or text

Announcement: Here is the TC Plus of the Mustermann family. The heating system has broken down."

#### Display

*TC Plus*  
O 123456  
I 123456 7890  
12:00 Sa 27.11.04

*TC Plus*  
*Dialing phone number*  
4711  
12:00 Sa 27.11.04

*Alarm confirmed*  
*at 4711*  
12:13 Sa 27.11.04

### 7.4 Confirm Alarm

Alarm confirmation can be performed directly on the TeleCoppler 2 by turnkey or by an external confirmation push-button as well as on the phone \* on which the alarm has been reported.

In case of a voice message the alarm can be confirmed during the speaking break on the called phone by dialing the DTMF symbol \*.

In case of a text message, the alarm is considered confirmed if the text message has been delivered successfully to the provider.

**Note:** The forwarding of text messages by the provider may be performed with considerable time delay.



Therefore, this message type, is not suited for sending off security-related alarm messages.

## 7 Function of the TeleCoppler 2

### 7.5 Answering Machine Mode (AW Mode)

If in the initial settings menu the „Answ.mach.“ item is set to "OFF", the TeleCoppler 2 will not answer incoming calls. However, if a caller hangs up after the first ringing signal,

waits at least for 10 seconds and then calls again within 60 seconds, the TeleCoppler 2 switches on again after the first ringing signal. In this way, either a connected answering

machine or the TeleCoppler 2 can be addressed.

#### **Operation**

Ringing signals will be sent.

The caller hangs up.

The caller calls again within 60 seconds.

Ringing signals will be sent.

alternatively:

The TeleCoppler 2 subscriber line will be called after this number of ringing signals which is set at the answering machine to switch it on.

#### **Announcement**

Here is the TC Plus. Please dial the code number.

#### **Function**

The TeleCoppler 2 does not switch on.

The answering machine is answering the phone call.

## 7 Function of the TeleCoppler 2

### 7.6 Dial Tone Recognition

If the DIAL TONE RECOGNITION item is activated (On) the dialing will be cancelled if no dial tone is recognized. The TeleCoppler 2 then advances to the next dial attempt.

### 7.7 Line Control

The TeleCoppler 2 analog is equipped with a line control. About 40 seconds after an interruption of the telephone line, respectively, 15 seconds after a short circuit of the telephone line, the local alarm output will be set and "Line fault" will appear on the display. The local alarm confirmation push-button will reset the local alarm output and at the same time confirm the local alarm output.

### 7.8 Behavior in Case of Power Failure

In case of a power failure of the 230 V net or in case of an unplugged plug power supply the TeleCoppler 2 does not work.

The settings, except for date and time, will be saved and are available after restoration of the line voltage, and after plugging in the plug power supply, respectively.

The behavior of the conventional switching outputs after a power failure can be set in the SWITCHING OUTPUTS MENU selecting the INIT CONDITION item for each output.

Selecting On, the outputs will be switched on after restoration of the line voltage, selecting Off, the outputs will be switched off after restoration of the line voltage, and selecting "xxx" the outputs will be set (to the same state) as before the power failure.

The state of the outputs A1 to A6 will not be changed if the activated current impulse mode is activated.

By using an uninterruptible power supply, the effects of a power failure can be avoided.

## 8 Hints on Operation

### 8.1 Summary of the Functions and Function Numbers

State	OFF	ON	Request
Device 1	010	011	01#
Device 2	020	021	02#
Device 3	030	031	03#
Device 4	040	041	04#
Device 5	050	051	05#
Device 6	060	061	06#
Complete state request	##		
Confirmation	*		

Table 5

### 8.2 Summary of the given Announcement Texts

#### **Announcement type**

TeleCoplper 2:

Code number:

Wrong code number:

Device select:

Confirmation:

Device-1 on:

Device-1 off:

Device-2 on:

Device-2 off:

Device-3 on:

Device-3 off:

Device-4 on:

Device-4 off:

Device-5 on:

Device-5 off:

Device-6 on:

Device-6 off:

Alarm 1:

Alarm 2:

Alarm 3:

Alarm 4:

Alarm 5:

Alarm 6:

#### **Announcement text**

Here is the TC Plus.

Please dial the code number.

The code number is wrong.

Please dial a digit.

The alarm has been confirmed.

The device 1 is turned on.

The device 1 is turned off.

The device 2 is turned on.

The device 2 is turned off.

The device 3 is turned on.

The device 3 is turned off.

The device 4 is turned on.

The device 4 is turned off.

The device 5 is turned on.

The device 5 is turned off.

The device 6 is turned on.

The device 6 is turned off.

The alarm 1 has been activated.

The alarm 2 has been activated.

The alarm 3 has been activated.

The alarm 4 has been activated.

The alarm 5 has been activated.

The alarm 6 has been activated.

Fault	Help/Measure
The TeleCoppler 2 cannot call	The phone line is not or is wrongly plugged in. The TeleCoppler 2 is operated within a PABX and <ul style="list-style-type: none"> <li>• the dial tone recognition is switched on</li> <li>• the line access number is not activated</li> <li>• the connection has no subscriber line authorization.</li> </ul> Dial attempt set to "0". External switch (ES) is activated.
The TeleCoppler 2 cannot send SMS	The wrong provider has been selected (e. g. D2 for T-Mobile or D1 for Vodafone). The line access number has not been set. The prefix number clusters "0193" or "0900" are blocked and "Telekom Festnetz-SMS", or "Annyway" as provider has been selected. (Both providers are using these two number clusters for their SMS Center).
The TeleCoppler 2 does not accept a call	The phone line is not or is wrongly plugged in. The number of ringing signals is set to "0". CLIP number has been activated, but no CLIP number was set (1 number is sufficient). AB operation (answering machine mode) is activated.
The 3 <sup>rd</sup> and 4 <sup>th</sup> dial attempt have not been carried out	Dial attempt set to 2. Both dial attempts have been de-activated. After the 2nd dial attempt there has been a confirmation. The call number has not been activated.

## 10 Technical Data

### Dimensions

L x W x H (in mm):	251 x 204 x 49
Weight:	700 g
Color:	RAL 7035
Material:	ABS
Temperature	
Operation temperature:	-5 °C to 45 °C
Storage temperature:	-25 °C to 70 °C
Protection class:	IP30 according to EN 60529

### Plug power supply

Weight:	160 g
Input voltage	
Input:	100-240 V AC, 47-63 Hz, 400 mA
Output:	12 V DC, 1.25 A
Length of power supply cord:	2 m
Protection class:	IP41 according to EN 60529
Class:	II according to EN 60536

### Outputs

6 conventional outputs:	12 V DC, 100 mA*
1 local alarm output:	12 V DC, 100 mA*
(all short circuit proof and surged with 200 mA)	
General capacity of the switching outputs:	< 700 mA

### Current consumption of the TeleCopler 2

all outputs in idle mode	
Current:	150 mA
Voltage:	12 V
Power consumption:	1.8 W
all outputs with full load	
Current:	850 mA (TeleCopler 2 idle mode+6 convent. outputs+1 loc. alarm)
Voltage:	12 V
Power consumption:	10.2 W

### Inputs

6 conventional inputs:	for potential free contacts (activation time > 50 ms)
------------------------	---

### Telephone connections

Analog:	CTR 21
Length of subscriber line:	each 3 m

RS 232	
Length of the Telephone cord	
RS 232:	3 m

\* using the plug power supply



## 11 Explanations to the Product

### 11.1 Warranty

We provide a warranty as provided for by law.

**Please send the unit postage free with a description of the defect to our central customer service via your specified dealer:**

Gira  
Giersiepen GmbH & Co. KG  
Service Center  
Dahlienstraße 12  
42477 Radevormwald  
Deutschland

### 11.2 Service

Please notice:

In case of service, the default settings will be programmed. Individual programmed phone numbers and announcements should be written down, since they will be set back to the default settings during service.

### 11.3 Important information regarding rules for disposal of electronic waste

There is a collection point in each community for the disposal of electronic equipment once it has reached the end of its useful life. Please consult your local authorities. You should never dispose of this device in general unsorted garbage.

Improper disposal of electronic waste can introduce dangerous substances into the environment and affect public health.

Please do your part to protect the environment by properly recycling this equipment at the end of its useful life. The recycling system will be financed after August 13, 2005 by manufacturers of electrical and electronic equipment.

GIRA  
Giersiepen GmbH & Co. KG  
Elektro-Installations-  
systeme

Industriegebiet Mermbach  
Dahlienstraße  
42477 Radevormwald

Postbox 12 20  
42461 Radevormwald

Germany

Tel +49(0)21 95 - 602-0  
Fax +49(0)21 95 - 602-339

[www.gira.com](http://www.gira.com)

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